

### Site-Built Priority List Statewide Average Costs

Measure	Average (\$)	Unit	Description	Measure Life
<b>Attic/Ceiling Insulation to R-49</b>				
Add R-49 (R-0 -> R-49)	2.14	per square foot	Ceiling blow, cellulose loose fill	45
Add R-38 (R-11 -> R-49)	1.82	per square foot	Ceiling blow, cellulose loose fill	45
Add R-30 (R-19 -> R-49)	1.56	per square foot	Ceiling blow, cellulose loose fill	45
Add R-19 (R-30 -> R-49)	1.27	per square foot	Ceiling blow, cellulose loose fill	45
Add R-11 (R-38 -> R-49)	0.92	per square foot	Ceiling blow, cellulose loose fill	45
<b>Attic/Ceiling Insulation to R-38</b>				
Add R-38 (R-0 -> R-38)	1.92	per square foot	Ceiling blow, cellulose loose fill	45
Add R-30 (R-8 -> R-38)	1.59	per square foot	Ceiling blow, cellulose loose fill	45
Add R-19 (R-19 -> R-38)	1.29	per square foot	Ceiling blow, cellulose loose fill	45
Add R-11 (R-27 -> R-38)	1.06	per square foot	Ceiling blow, cellulose loose fill	45
<b>Sloped Ceiling Insulation</b>				
2x4 cavity no insulation	1.49	per square foot	Blown insulation, closed cavity	45
2x6 cavity no insulation	1.8	per square foot	Blown insulation, closed cavity	45
<b>Wall Insulation (2x4 cavity)</b>				
No insulation - fill w/R-13	2.2	per square foot	dense pack, closed cavity	45
40% gaps and voids- fill w/R-13	2.2	per square foot	dense pack, closed cavity	45
<b>Knee wall Insulation</b>				
2x4 cavity Add R-11	1.4	per square foot	Open cavity, fiberglass batts	45
2x4 cavity Add R-13	1.26	per square foot	Open cavity, high density fiberglass batts	45
2x4 cavity Add R-15	1.33	per square foot	Open cavity, high density fiberglass batts	45
2x4 cavity Add R-21	1.52	per square foot	Open cavity, high density fiberglass batts	45
2x6 cavity Add R-19	1.57	per square foot	Open cavity, fiberglass batts	45
<b>Duct Insulation</b>				
Add R-11	5.65	per linear foot	Fiberglass batts	20
Add R-19	6.7	per linear foot	Fiberglass batts	20
<b>Floor Insulation to R-30</b>				
Add R-30 (R-0 -> R-30)	2.14	per square foot	Open cavity, fiberglass batts	25
Add R-19 (R-11 -> R-30)	1.86	per square foot	Open cavity, fiberglass batts	25
Add R-11 (R-19 -> R-30)	1.63	per square foot	Open cavity, fiberglass batts	25
<b>Air Sealing</b>				
Duct Sealing	3.07	per linear foot	In un-heated area	15
Priority Air Sealing	132.45	per 100CFM reduction	Obvious holes, crawl, garage, attic, walls	45
Mechanical Ventilation	708.1	each	Whole house/Local exhaust	45
<b>Heating System Replacement</b>				
Ductless Heat Pump – Single Head	4,282.55	each	Supplement permanently installed electric baseboard/wall heaters	20
90%+ Natural Gas Furnace	4,288.89	each	Replace low efficiency natural gas furnace	20
<b>Other Measures</b>				
Hot/Cold Water Pipe Insulation	3.49	per linear foot	In un-heated areas (crawl space, etc.)	13
Water Heater Insulation Wrap	141.32	each	In un-heated areas	13
Faucet Aerator	11.35	each	Direct install	15
Showerhead	21.15	each	Direct install	15
CFL Bulbs	8.76	each	Direct install	10
LED Bulbs	11.76	each	Direct install	20

1. Count is the number of agencies that submitted costs for a particular measure. A few measures were added to the analysis after we collected cost data from the agencies, so costs are taken from a few agencies that submitted additional costs. For these few measures, we believe the costs are reasonable for this analysis.

Manufactured Home Priority List Statewide Average Costs				
Measure	Avg. (\$)	Unit	Description	Measure Life
Attic/Ceiling Insulation to R-19			Single-wide	
Add R-19 (R-0 -> R-19)	1.42	per square foot	Ceiling blow, fiberglass	25
Add R-16 (R-3 -> R-19)	1.34	per square foot	Ceiling blow, fiberglass	25
Add R-12 (R-7 -> R-19)	1.23	per square foot	Ceiling blow, fiberglass	25
Add R-8 (R-11 -> R-19)	1.08	per square foot	Ceiling blow, fiberglass	25
Attic/Ceiling Insulation to R-31			Single-wide	
Add R-31 (R-0 -> R-31)	7.93	per square foot	Ceiling blow plus 2" rigid insulation	25
Add R-28 (R-3 -> R-31)	7.91	per square foot	Ceiling blow plus 2" rigid insulation	25
Add R-24 (R-7 -> R-31)	7.9	per square foot	Ceiling blow plus 2" rigid insulation	25
Add R-20 (R-11 -> R-31)	7.88	per square foot	Ceiling blow plus 2" rigid insulation	25
Attic/Ceiling Insulation to R-26			Double-wide	
Add R-26 (R-0 -> R-26)	1.64	per square foot	Ceiling blow, fiberglass	25
Add R-23 (R-3 -> R-26)	1.55	per square foot	Ceiling blow, fiberglass	25
Add R-19 (R-7 -> R-26)	1.42	per square foot	Ceiling blow, fiberglass	25
Add R-15 (R-11 -> R-26)	1.31	per square foot	Ceiling blow, fiberglass	25
Add R-10 (R-16 -> R-26)	1.2	per square foot	Ceiling blow, fiberglass	25
Attic/Ceiling Insulation to R-38			Double-wide	
Add R-38 (R-0 -> R-38)	2.03	per square foot	Ceiling blow, fiberglass	25
Add R-35 (R-3 -> R-38)	1.93	per square foot	Ceiling blow, fiberglass	25
Add R-31 (R-7 -> R-38)	1.76	per square foot	Ceiling blow, fiberglass	25
Add R-27 (R-11 -> R-38)	1.67	per square foot	Ceiling blow, fiberglass	25
Add R-22 (R-16 -> R-38)	1.52	per square foot	Ceiling blow, fiberglass	25
Wall Insulation				
2x4 cavity no insulation-fill	2.25	per square foot	dense pack, closed cavity	25
2x4 cavity 40% gaps and voids-fill	2.25	per square foot	dense pack, closed cavity	25
2x3 cavity no insulation-fill	2.25	per square foot	dense pack, closed cavity	25
2x3 cavity 40% gaps and voids-fill	2.25	per square foot	dense pack, closed cavity	25
Duct Insulation				
Add R-11	6.72	per linear foot	Fiberglass batts w/o floor insulation	15
Add R-19	7.56	per linear foot	Fiberglass batts w/o floor insulation	15
Floor Insulation to R-19				
Add R-19 (R-0 -> R-19)	2.18	per square foot	Dense pack belly	25
Add R-12 (R-7 -> R-19)	2.02	per square foot	Dense pack belly	25
Add R-8 (R-11 -> R-19)	1.47	per square foot	Dense pack belly	25
Floor Insulation to R-30				
Add R-30 (R-0 -> R-30)	2.7	per square foot	Dense pack belly	25
Add R-23 (R-7 -> R-30)	2.37	per square foot	Dense pack belly	25
Add R-19 (R-11 -> R-30)	2.18	per square foot	Dense pack belly	25
Add R-11 (R-19 -> R-30)	1.84	per square foot	Dense pack belly	25
Air Sealing				
Duct Sealing	3.56	per linear foot	In un-heated area	15
Priority Air Sealing	115.38	per 100CFM50 reduction	Obvious holes, crawl, garage, attic, walls	25
Mechanical Ventilation	730.01	each	Whole house/Local exhaust	25
Heating System Replacement				
90%+ Natural Gas Furnace	4,244	each	Replace low efficiency gas furnace	15
Other Measures				
Hot/Cold Water Pipe Insulation	3.83	per linear foot	In un-heated areas (crawl space...)	13
Water Heater Insulation Wrap	141.32	each	In un-heated areas	13
Faucet Aerator	11.35	each	Direct install	15
Showerhead	21.15	each	Direct install	15
CFL Bulbs	8.76	each	Direct install	10
LED Bulbs	11.76	each	Direct install	20

Note: Count is the number of agencies that submitted costs for a particular measure. Some measures are not installed by many agencies. Some measures were added to the analysis after cost data was collected from the agencies. In a few cases, costs are taken from a few agencies that submitted additional costs. For these few measures, we believe the costs are reasonable for this analysis.